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Growing of Alfalfa-"The Queen of Crops"

(Continued from Last Week.)

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A LFALFA seed should be inoculated by means of artificial culture either obtained from the Government or from some firm who propagate it, and it costs about \$2 per acre for the inoculating fluid. Directions always go with the preparation and should be carefully followed. Another means of inoculation is obtained from dirt from a wellestablished alfalfa field. About 300 established alfalfa field. About 300 to 500 pounds per acre of this should to 500 pounds per acre of this should applied by hand late in the afternoon or on a cloudy day, and the soil, after it has been taken from the alfalfa field, should be kept a little moist and not be allowed to dry by the direct rays of the sun. The bacteria of inoculation for alfalfa are very sensitive, and the sunight kills them. Another means of inoculation them. Another means of inoculation for alfalfa is obtained from dirt under the roots of sweet clover, and this is usually along the public roads. Sweet clover is so intimately con-nected with alfalfa that the nodules on its roots furnish inoculation for alfalfa as no other plant does. The inoculation should be applied immediately before the seeding and lightly harrowed in. If the land has been seeded with a machine, it will need no other treatment, but if it has been applied by hand or by wheelbarrow seeder, then the surface of the field should be very lightly harrowed and never rolled after seeding.

Treatment of Meadows.

Many fields of alfalfa have been destroyed by weeds and grass taking them after a few years of good production. Bruegrass is one of the worst enemies of alfalfa, and this and all other weeds can be easily eradi-cated by means of a good spring-tooth harrow run crossways over the fleid. Some will doubtless say that the harrow will tear alfaifa all to pieces, but I have never seen a single crown of alfaifa destroyed by a spring-tooth harrow. You can itt-erally tear the field all to pieces by erally tear the field all to pieces by harrowing both ways, yet the sifalfa is not disturbed, and it grows all the better for the working and the weeds and grass are killed. A disc set slightly slanting is sometimes used to cultivate an alfalfa field. If a farmer can not get a spring-tooth harrow, then I would recommend a disc harrow run one way and a fine-tooth harrow run across the field.

I would recommend by all means to

I would recommend by all means to keep all animals off the alfalfa meadow. The less tramping it gets, the better is grows. However, many men desire to pasture alfalfa and some have done so very successfully both with sheep and hogs, and in the West and South alfaifa meadows are grazed during the Winter with horses

Improving the Soil.

As doubtless many of you know that after an alfalfa field which has stood for several years is plowed and planted to other crops, the succeeding crops on this are far better than on other land where alfalfa has not grown. The reason for this is, because the lime and phosphate have been put into the soil, in addition to nitrogen, which alfalfa breathes in from the air and deposits through its roots by means of the little nodules of bacteria growing on the roots of alfalfa and other legumes, and it is a wise provision of Nature that these plants breathe in nitrogen and de-posit it into the soil through these posit it into the soil through these little germinating cells. The more nodules the roots of any legumes have, the richer the land becomes,

You may ask just here, how alfalfa il fit into the crop rotation of our riculture? Clover stands for one or two years, then the land is turned under and fits in splendidly in our ro-Alfalfa will grow for a great many more years, but it can be turned under in two years with even more benefit than red clover imparts, but if a man has a well established alfalfa field, he is not apt to sacrifice it in two years; hence the rotation can be made longer. I have heard some men say that they did not want alfalfa on the farm, because it was impossible to kill it, and ordinarily speaking I will say that you must have a sharp plow to cut the roots of alfalfa, but when they are cut off the plant dies and all its big roots, besides adding nitrogen to the soil, add humus also and make the land porous for several feet deep. No other plant does this. When planting alfalfa one must remember that we improvement of our soils.

Effective February 1

Reduction No. 3 On Goodyear Tires

Making Total Reductions 45 Per Cent in Two Years To Give Always the Most for the Money

We are glad again-for the third time in two years-to announce a big reduction on Goodyear tires, effective February 1st.

Goodyear policy on price is to give the utmost in a tire at the lowest possible profit. Our reductions are made to that end, without ever reducing the quality.

That always means, with our matchless oulput, more for the money than any other maker can give.

As rubber came down our prices came down. As our output multiplied, reducing factory cost, our prices came down with it. In two years our reductions-including the present-have totaled 45 per cent.

Last year we increased our output 26.6 per cent. A few days ago the embargo on rubber was modified so that supplies seem assured. The market price for rubber seems for a time established. Fabric costs less than last year. So, under our minimum profit policy, we announce this new reduction.

Only Fair Basis

We consider profit margin on a tire the only fair price basis. We keep that margin just as low as our line allows.

While we do that, Goodyear tires will always undersell any tires that compare with them. That is because we have the largest output. We have a new factory, modernly equipped. And we have world-wide facilities for buying rubber, of our extra grade, at the lowest market price.

For a long, long time most tires have sold much above Goodyear prices. Some have sold one-third higher. A few have sold lower, as some always will, because of less rubber, less quality. But we can and do, under all conditions, give more for the money than any rival tire can offer.

The Best We Know

Goodyear Fortified Tires offer the best we know. They are built to give you the lowest cost per mile. They minimize tire trouble in five costly ways employed by no other maker. And they are always the same, regardless of price reductions.

Most tires will always sell higher, because of smaller output. Some tires will always sell lower because of lower standards. But we promise you that none will ever give better than Goodyear value.

This policy has made Goodyears the largestselling tires in the world. It will make them more so as more men find them out.

Ask your Goodyear dealer for our new price on the size you buy.

THE GOODYEAR TIRE & RUBBER CO. Akron, Ohio

Makers of Goodyear Tire Saver Accessories and Goodyear Wing Carriage Tires and Other Types



rations for all live stock. If any one the land for alfalfa. rations for all live stock. It any one can imagine a field growing six to eight tons of wheat bran per acre, worth \$25 per ton, then you have a comparative value of alfalfa hay. It will in time enter into all of our feeding rations, and is doing so now the content of our feeders.

with a great many of our feeders. I know one dairy farmer who raised eight tons per acre of alfalfa, and previous to sowing it he fed ensilage and cottonseed meal and clover hay, and then one day he decided that it was useless to buy concentrates at all and he fed ensitage and alfalfa hay and obtained exactly the same result and obtained exactly the san see he avoided the necessity of purchasing any concentrated form of pro-tein. Alfalfa hay is the best hay for all livestock. It is good for work horses and driving horses, although It is good for work they should not be given all they want to eat, but it should be supplemented with some timothy. For milk cows there is no better hay in the world, and also for beef cattle. For

Yield of Alfalfa

I have reports from alfalfa growers from over the State of Kentucky, are entering into a plan of permanent hundreds of them, and it is intensely interesting to note the variation in

tion and seeding, and thus avoiding these expenses, and yet producing had the harvesting of tons and tons more net income than most other of fine hay for feeding. Alfalfa loves crops. A good crop of wheat is 30 deep, rich loam and a plenty of manbushels to the acre, at \$1 per bushel, ure. It reminds me of the little the net income is \$30. A good crop of corn is 75 bushels per acre at 75c per bushel, net income \$56.25 per acre. A good crop of clover is two Makes the feeding and the lattrogen make your land rich, besides having had the harvesting of tons and tons make your land rich, besides having had the harvesting of tons and tons of fine hay for feeding. Alfalfa loves crops. A good crop of wheat is 30 deep, rich loam and a plenty of manbushels to see the feeding. Alfalfa loves crops. A good crop of wheat is 30 deep, rich loam and a plenty of manbushels to see the feeding. Alfalfa loves crops. A good crop of wheat is 30 deep, rich loam and a plenty of manbushels to see the feeding. Alfalfa loves crops. A good crop of wheat is 30 deep, rich loam and a plenty of manbushels to have the land with the land wi in milk and butter as he did when acre. A good crop of clover is two feeding the other rations. Thus you tons per acre, say \$17 per ton, \$34 income. A good crop of timothy is about the same amount. So you see alfalfa is one of the best cash crops that a farmer could raise. But it should never be turned into cash, but fed on the place, by all means. A farmer is committing land suicide if he ever sells clover or alfalfa. He should feed it and market it to his

crop, because the alfalfa adds the nitrogen.

In Jefferson takes hard work, intelligent applica-County I have seen eight tons per tion and its costs some money, too, acre taken in four cuttings and it is but it means an investment safer than done without affecting the stand.

a National bank, and it will pay big Take, for Instance, a field that is producing six tons of alfalfa per year, which is worth \$20, this makes \$120 there to grow alfalfa and the nitrogen taken from the land without cultivation.

Makes the farm and farmer poor.
But lime, manure and vigorous clover.
Make the old farm rich all over.
In growing alfalfa we are inculcating more intelligence in ourselves.

making better farmers, better men and boys,

Denver Eats Butter.

One creamery in Denver uses 10,-000 gallons of cream daily. More world, and also for beef cattle. For cattle and the residue will go back to than half or this amount is shipped in from Kansas, Nebraska and other widing you wish to pasture your meadows. Alfalfa hay can be fed, chopped short, with grain in the Winter, and it makes an ideal ration. For poultry alfalfa furnishes an excellent feed.

Cattle and the residue will go back to than half or this amount is shipped in from Kansas, Nebraska and other disconting states. Sixty-five cents a manent agriculture? I claim it should gallon is paid. So this one concern alone pays more than \$1,000,000 anter, and it makes an ideal ration. For poultry alfalfa furnishes an excellent feed.

Cattle and the residue will go back to than half or this amount is shipped in from Kansas, Nebraska and other dailout alignment and point in from Kansas, Nebraska and other manent agriculture? I claim it should gallon is paid. So this one concern alone pays more than \$1,000,000 anter alignment is shipped in from Kansas, Nebraska and other manent agriculture? I claim it should gallon is paid. So this one concern alignment is shipped in from Kansas, Nebraska and other manent agriculture? I claim it should gallon is paid. So this one concern alignment is shipped in from Kansas, Nebraska and other water alignment in the form of manure.

Cattle and the residue will go back to than half or this amount is shipped in from Kansas, Nebraska and other water alignment in the form of manure.

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Cattle and the land in our person alignment is shipped in from Kansas, Nebraska and other alignment is shipped in from Kansas, Nebraska and other alignment is shipped in form Kansas, Nebraska and other and shipped in form Kansas, Nebraska and other alignment is shipped in from Kansas, Nebraska and other alignment is shipped in form Ka than half or this amount is shipped must be supplied in order to grow Colorado. This creamery manufac-alfalfa successfully, but in doing so tures 25,000 pounds of butter daily, we are putting into the soil elements which at the retail price of 35 cents that all crops require. Therefore, in amounts to \$8750 a day or more growing a field of alfalfa we are fit-than \$2,500,000 a year. This means ting the land for all or any following that Denver folks eat some butter. Of course the entire amount is not consumed in Denver, but then it must Alfalfa Hay. the yield of this great crop. It may It means permanent improvement be remembered that these figures It is needless for me to tell you of run from three cuttings of one ton of our soil, putting back the natural apply to but one creamery and there the value of this great clover for hay, per ton to four cuttings of eight tons elements that man has ruthlessly and are a dozen others right in the town. It is as rich as wheat bran and it per season. These variations indiselfishly robbed our lands of. Alto say nothing of the bull butter and furnishes the best hay for balancing cate to me the difference in preparing falfa is not a lazy man's crop. It process factories.